

ANNEX D

Environmental Protection

Protection of natural resources has become an ever-increasing concern. It is the responsibility of all unit leaders to decrease, and if possible eliminate, damage to the environment when conducting all types of operations. Environmental risk management parallels safety risk management (as discussed in Annex C) and is based on the same philosophy and principles.

The environmental risk assessment and management process consists of the following steps:

- Identify the hazards.
- Assess the hazards.
- Make environmental risk decisions.
- Brief the chain of command.
- Implement controls.
- Supervise.

For detailed procedures, refer to the discussion of risk management in FM 3-20.15 (Appendix G). The following illustrations show a sample environmental management worksheet, both blank and with completed entries.

Environmental Risk Assessment Worksheet									
Environmental area:				Rating:					
Unit operations:				Risk impact:					
Movement of heavy vehicles/systems				5	4	3	2	1	0
Movement of personnel & light vehicles/systems				5	4	3	2	1	0
Assembly area activities				5	4	3	2	1	0
Field maintenance of equipment				5	4	3	2	1	0
Garrison maintenance of equipment				5	4	3	2	1	0
Overall Environmental Risk Assessment Form									
	Movement of heavy vehicles/systems	Movement of personnel and light vehicles/systems	Assembly area activities	Field maintenance of equipment	Garrison maintenance of equipment	Risk impact value			
Air pollution									
Archeological/historical sites									
Hazardous material/waste									
Noise pollution									
Threatened/endangered species									
Water pollution									
Wetland protection									
OVERALL RISK IMPACT VALUE									
Risk Impact Value Categories									
Category	Range (points)	Environmental Damage Risk	Decision-maker						
Low	0-58	Little or none	Appropriate level						
Medium	59-117	Minor	Appropriate level						
High	118-149	Significant	Division commander						
Extremely High	150-175	Severe	MACOM commander						

Example environmental risk assessment worksheet (blank).

Environmental Risk Assessment Worksheet

Environmental area:	Rating:
Unit operations:	Risk Impact:
Movement of heavy vehicles/systems	(5) 4 3 2 1 0
Movement of personnel & light vehicles/systems	5 4 (3) 2 1 0
Assembly area activities	5 4 3 2 1 0
Field maintenance of equipment	5 4 3 (2) 1 0
Garrison maintenance of equipment	5 4 3 2 (1) 0

Overall Environmental Risk Assessment Form

	Movement of heavy vehicles/systems	Movement of personnel and light vehicles/systems	Assembly area activities	Field maintenance of equipment	Garrison maintenance of equipment	Risk Impact value
Air pollution	2	2	0	1	0	5
Archeological/historical sites	2	2	0	0	0	4
Hazardous material/waste	3	3	3	3	4	16
Noise pollution	2	2	1	2	1	8
Threatened/endangered species	1	1	0	0	0	2
Water pollution	5	3	3	2	1	14
Wetland protection	5	2	2	2	1	12
OVERALL RISK IMPACT VALUE						61

Risk Impact Value Categories

Category	Range (points)	Environmental Damage Risk	Decision-maker
Low	0-58	Little or none	Appropriate level
Medium	(59-117)	Minor	Appropriate level
High	118-149	Significant	Division commander
Extremely High	150-175	Severe	MACOM commander

Example environmental risk assessment worksheet (completed).